FIG. 1

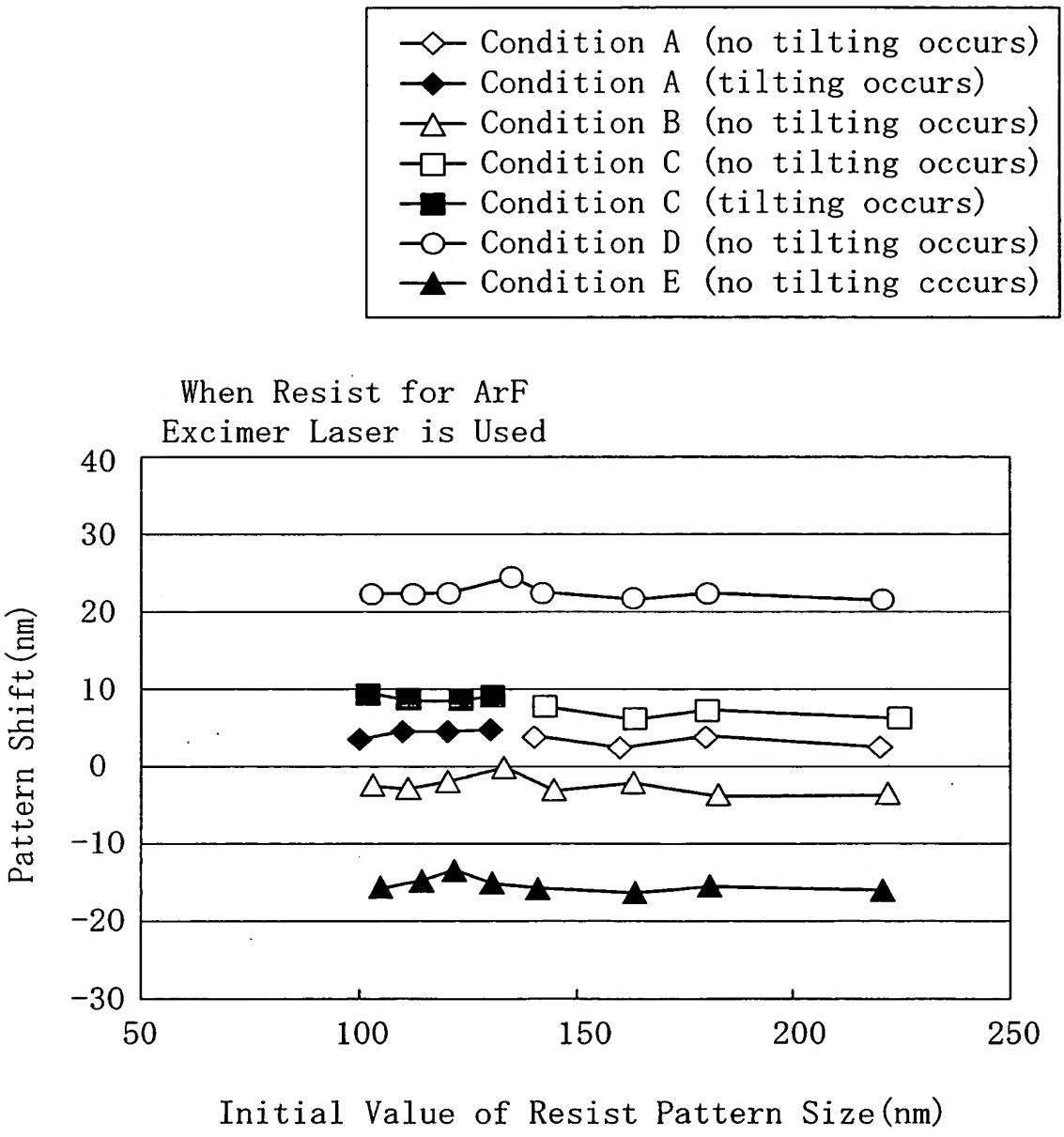


FIG. 2

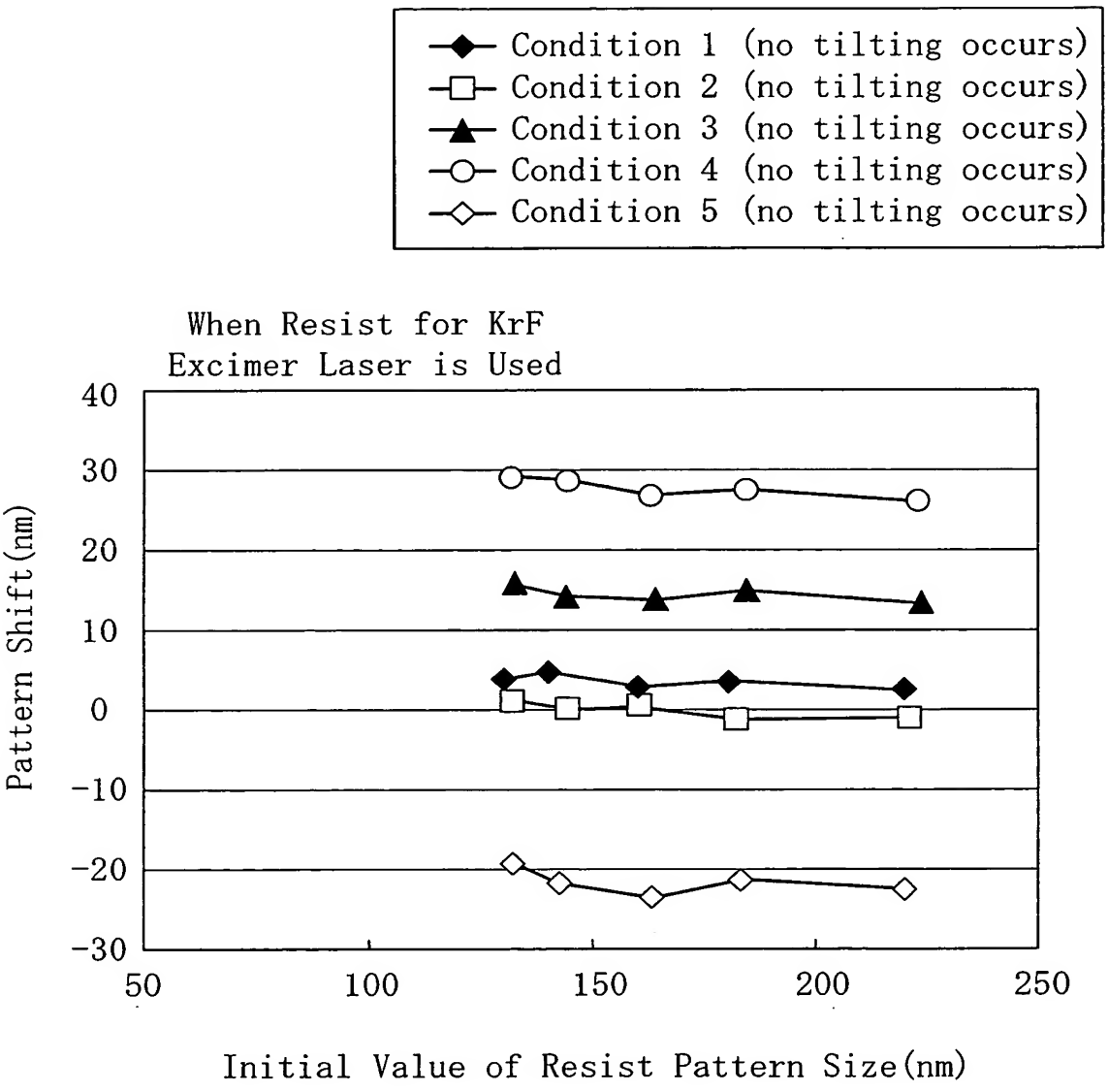

Condition 1 (no tilting occurs)
Condition 2 (no tilting occurs)
Condition 3 (no tilting occurs)
Condition 4 (no tilting occurs)
Condition 5 (no tilting occurs)
When Resist for KrF
Excimer Laser is Used
Pattern Shift(nm)
40
30
20
10
0
-10
-20
-30
50
100
150
200
250
Initial Value of Resist Pattern Size(nm)

FIG. 3A

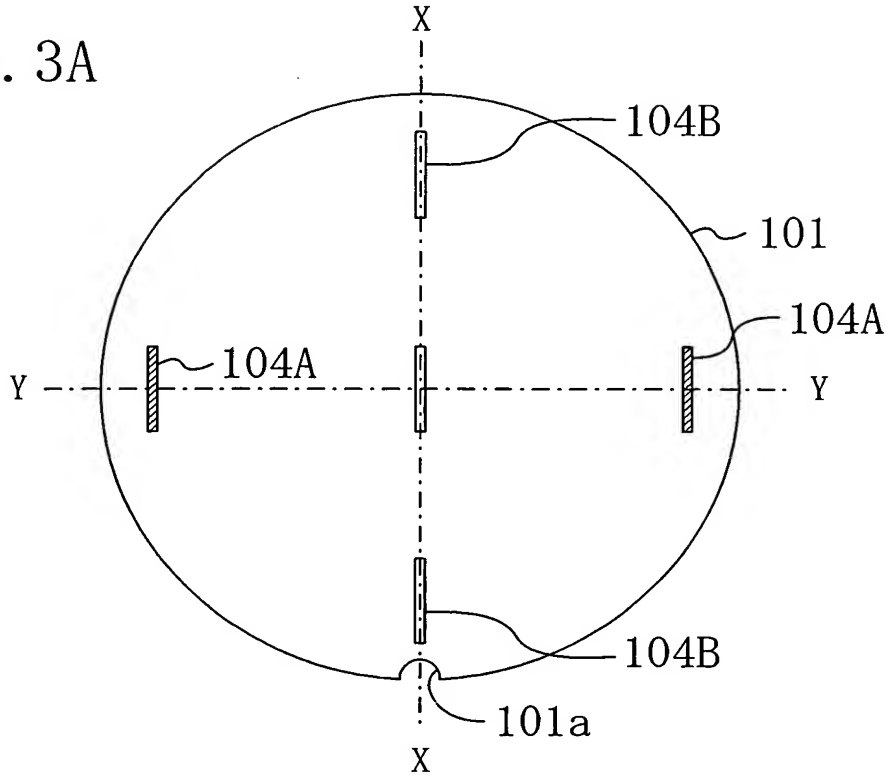

X
104B
101
104A
104A
Y
Y
104B
101a
X

FIG. 3B

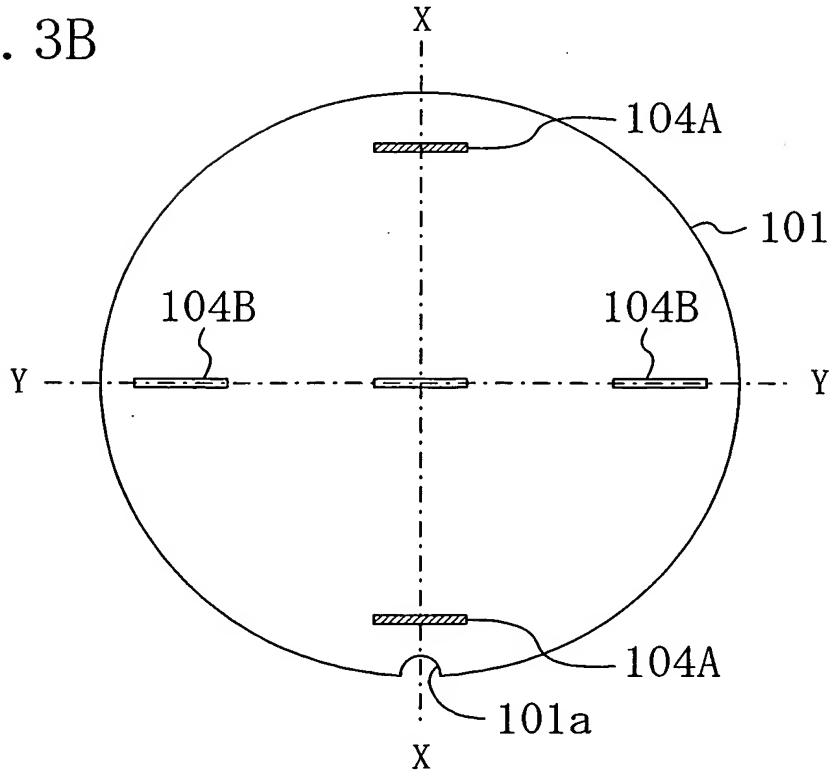

X
104A
101
104B
104B
Y
Y
104A
101a
X

FIG. 4A

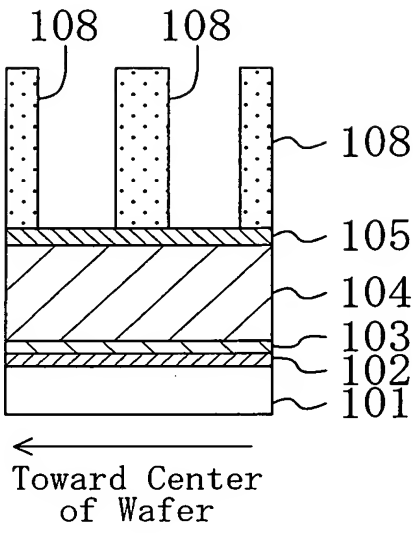


FIG. 4C

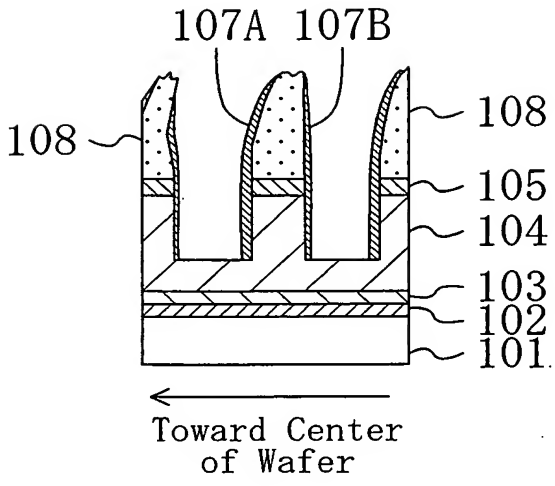


FIG. 4B

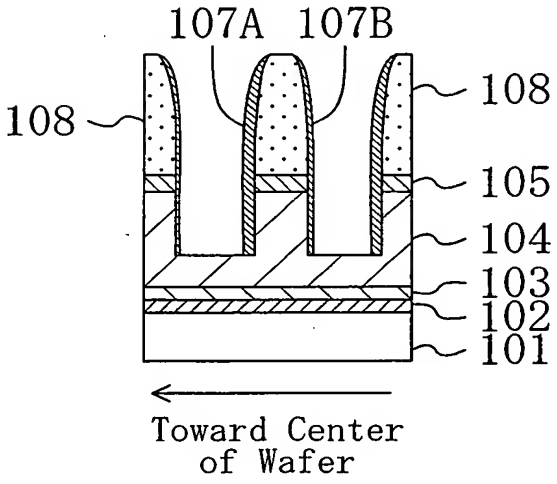


FIG. 4D

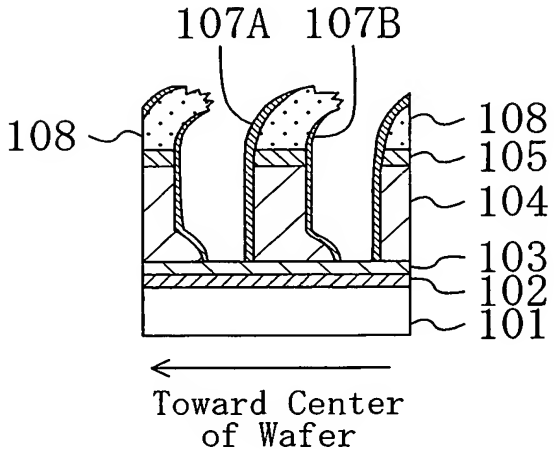


FIG. 5A

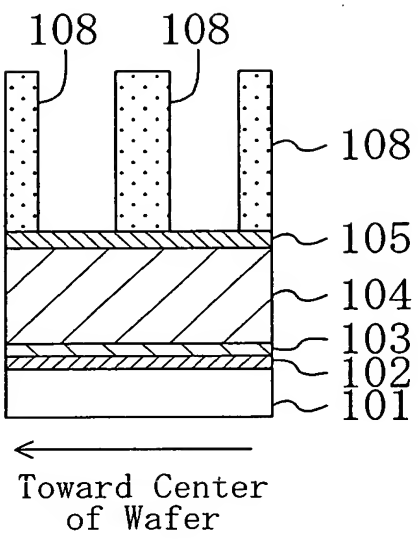


FIG. 5B

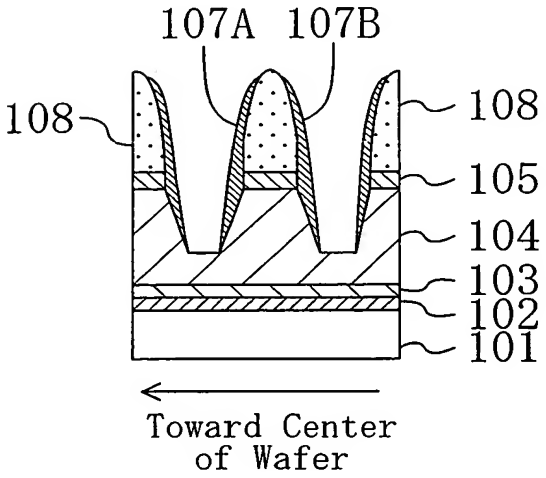


FIG. 5C

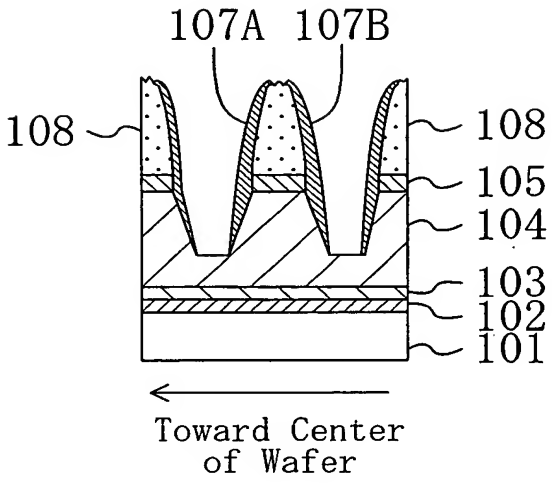


FIG. 5D

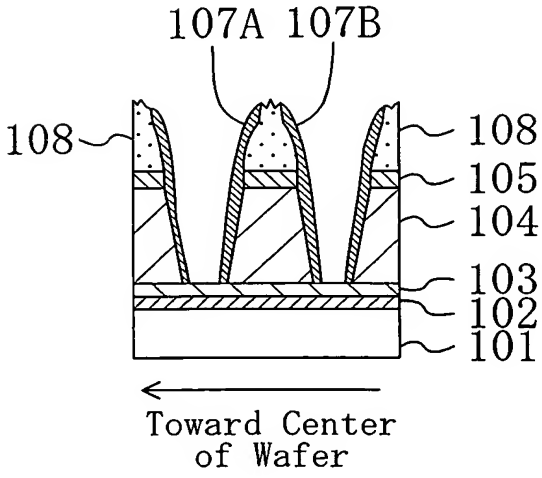


FIG. 6A

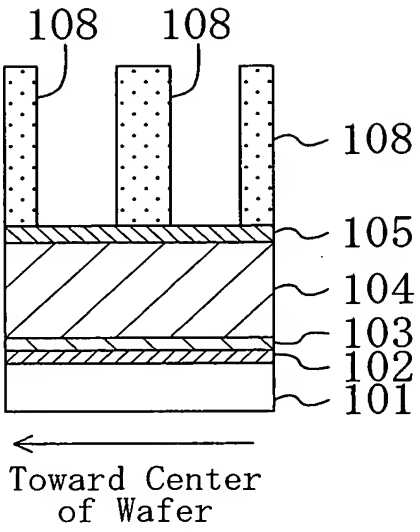


FIG. 6C

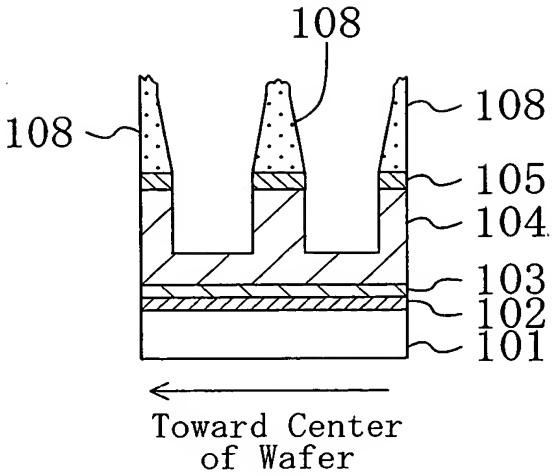


FIG. 6B

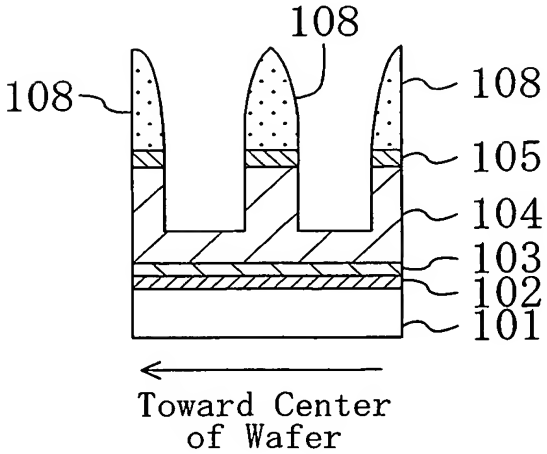
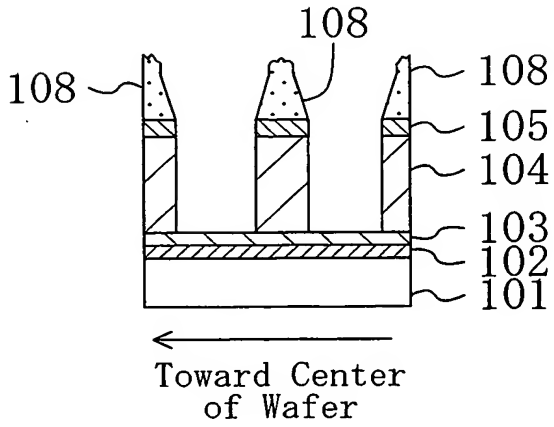


FIG. 6D



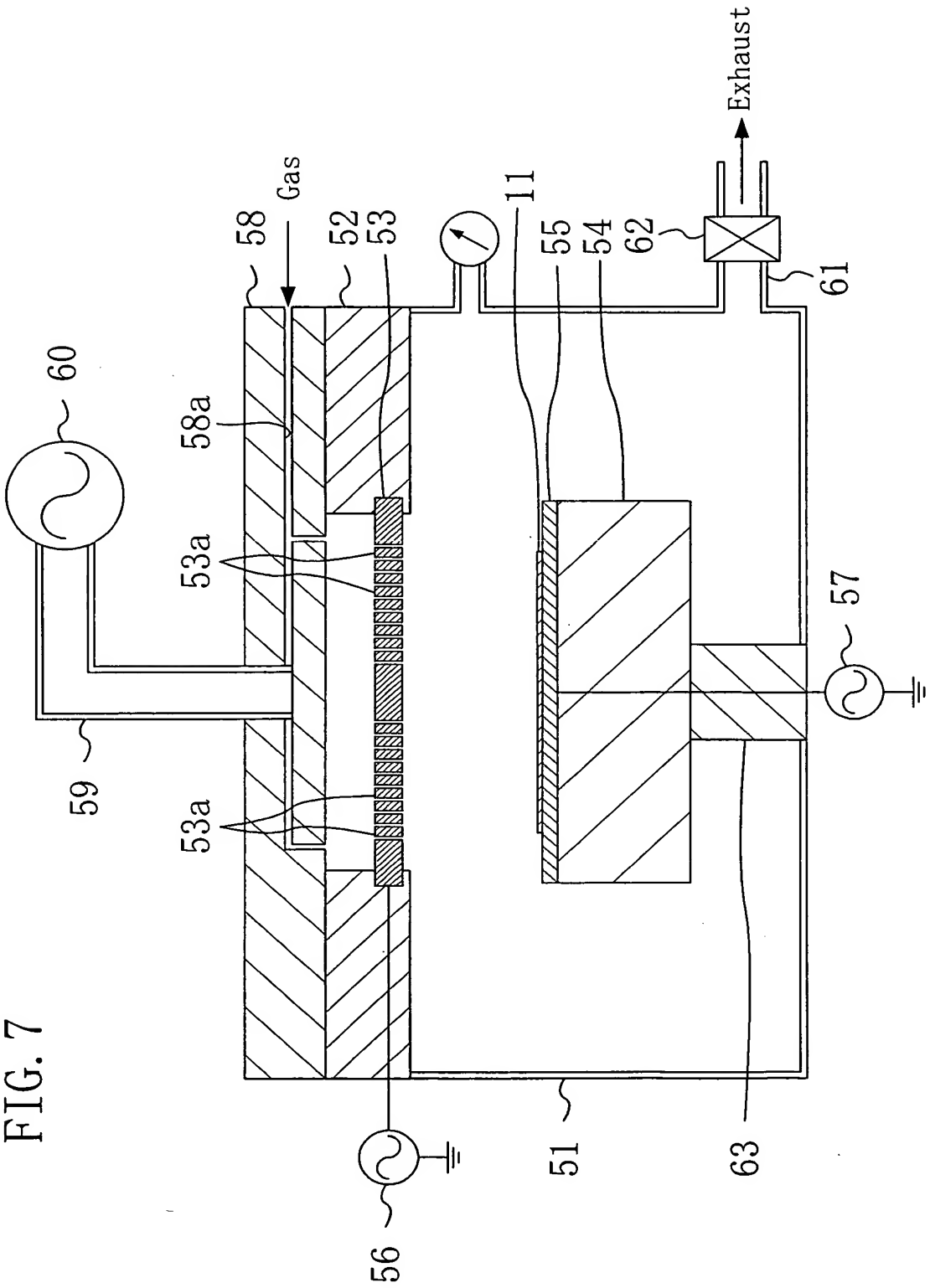


FIG. 7

FIG. 8A

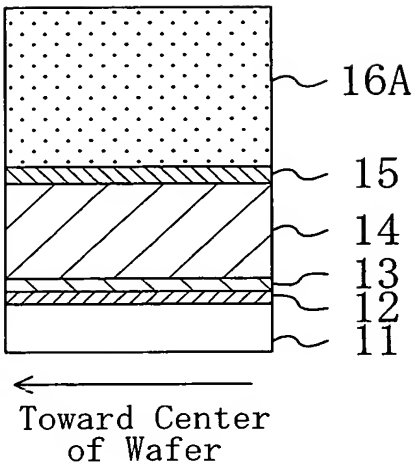


FIG. 8C

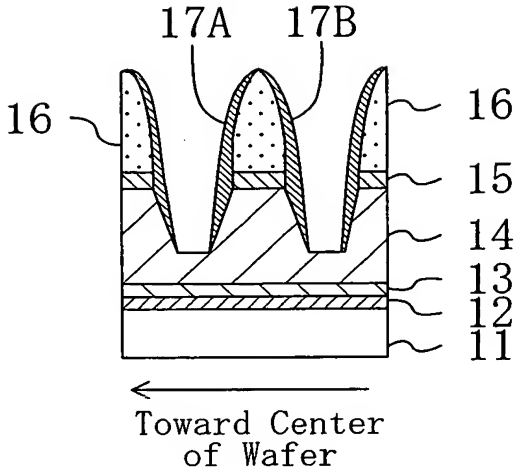


FIG. 8B

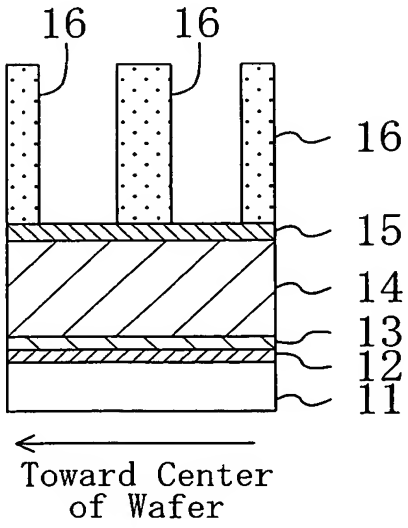


FIG. 8D

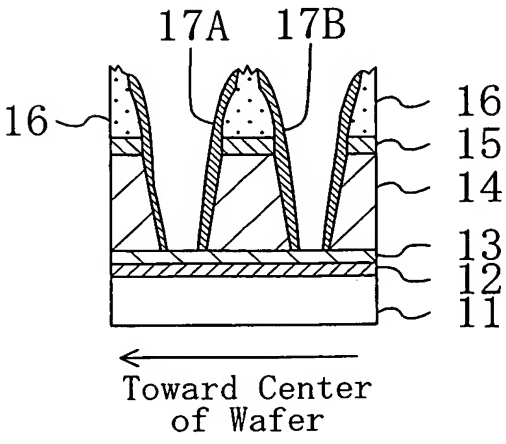


FIG. 9A

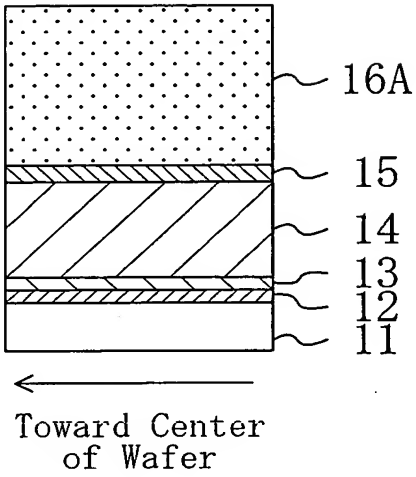


FIG. 9C

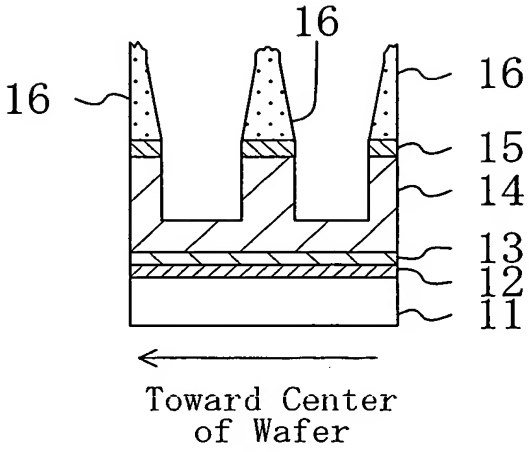


FIG. 9B

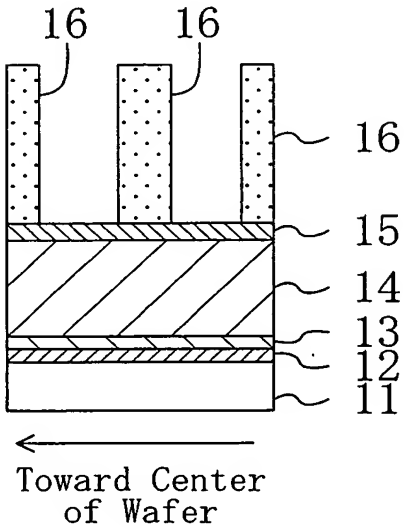


FIG. 9D

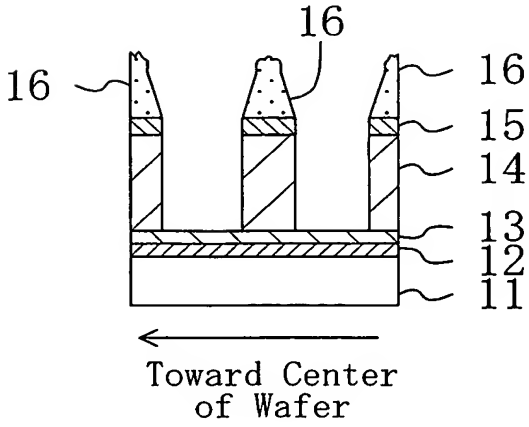


FIG. 10A

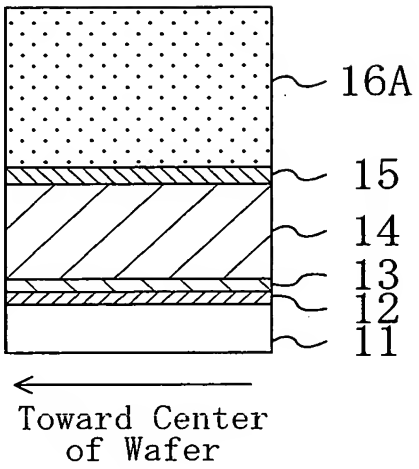


FIG. 10C

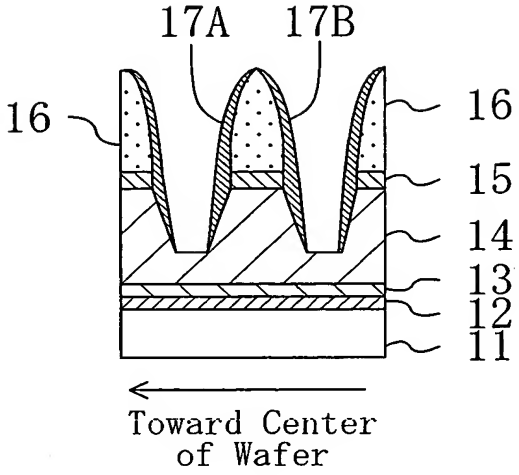


FIG. 10B

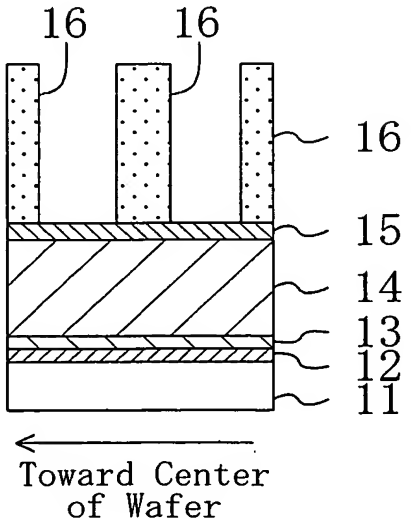


FIG. 10D

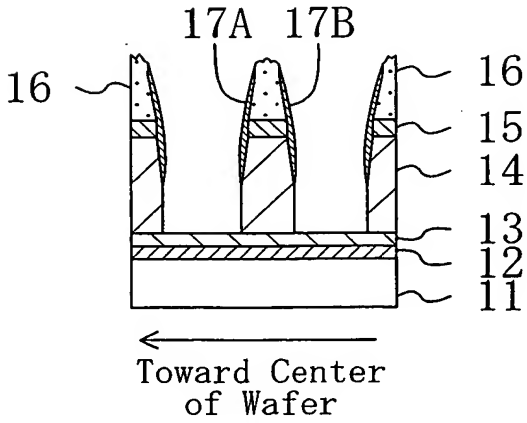


FIG. 11A
PRIOR ART

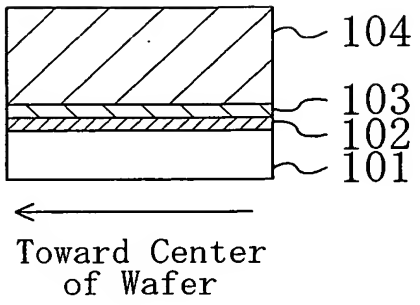


FIG. 11B
PRIOR ART

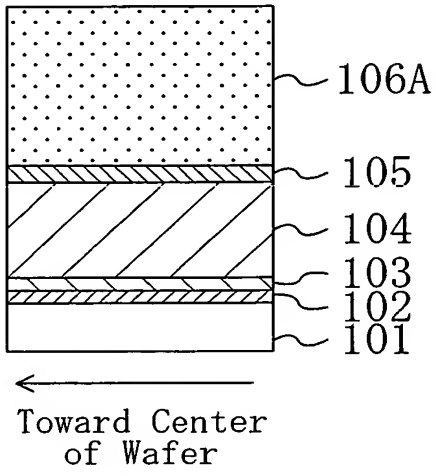


FIG. 11C
PRIOR ART

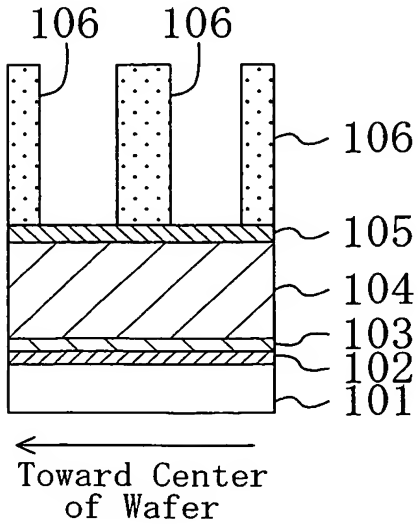


FIG. 11D
PRIOR ART

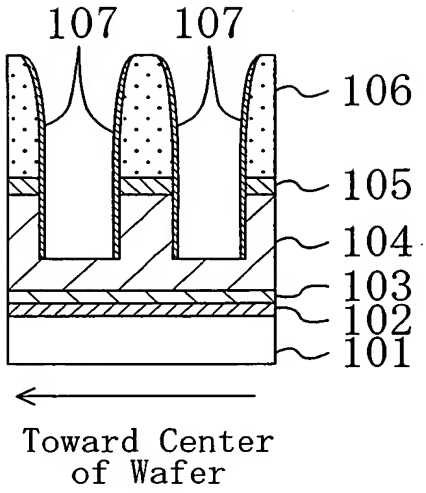


FIG. 11E
PRIOR ART